

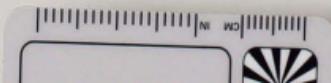
AIM Ann Report
1918 to 1919

ANNUAL REPORT
OF THE
AUCKLAND INSTITUTE
AND
MUSEUM
FOR
1918-1919.

ADOPTED AT THE ANNUAL MEETING
HELD FEBRUARY 24th, 1919.

AUCKLAND :
THE BRETT PRINTING COMPANY, LIMITED.—26566
MCMXIX.

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22 OCT 1928

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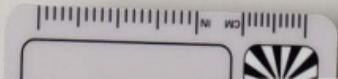
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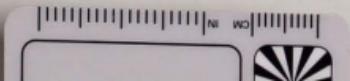
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Elaborately carved Pare, or architrave, from the doorway of a Maori house, evidently of great age. Total length, 8 feet. Dug up in a peat swamp in the Hauraki Plains, and deposited for a lengthened period by the finder, Mr. L. Carter.

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OFFICERS

OF THE

AUCKLAND INSTITUTE.

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J. H. GUNSON, Esq., Mayor of Auckland.

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HON. E. MITCHELSON. C. J. PARR, C.M.G., M.P.

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EGERTON, PROF. C. W., M.A.	PETRIE, D., M.A.
KENDERDINE, J.	SEGAR, PROF. H. W., M.A.
LEYS, T. W.	THOMAS, PROF. A. P. W., M.A.
MILLER, E. V.	UPTON, J. H.
PEACOCK, T.	VAILE, H. E.
WORLEY, PROF. F. P., M.Sc.	

Trustees:

PEACOCK, T.	THOMAS, PROF. A. P. W.
REID, J.	UPTON, J. H.
VAILE, H. E.	

Secretary and Curator:

T. F. CHEESEMAN, F.L.S., F.Z.S.

Assistant and Preparator of Specimens:

L. T. GRIFFIN, F.Z.S.

Auditor:

S. GRAY, F.R.A.

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The following
Periodicals and Publications of Societies
are Subscribed to by the Institute:

NATURE.
THE PHILOSOPHICAL MAGAZINE.
THE AMERICAN JOURNAL OF SCIENCE.
AMERICAN CHEMICAL JOURNAL.
THE ELECTRICIAN.
THE PHYSICAL REVIEW.
COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES SCIENCES.
ANNALS AND MAGAZINE OF NATURAL HISTORY.
QUARTERLY JOURNAL OF MICROSCOPICAL SCIENCE.
ANNALS OF BOTANY.
THE BOTANICAL GAZETTE.
THE GARDENER'S CHRONICLE.
JOURNAL OF AGRICULTURAL SCIENCE.
THE GEOLOGICAL MAGAZINE.
SCIENCE PROGRESS.
THE ECONOMIC JOURNAL.
THE LANCET.
MIND.

TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY.
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL SOCIETY.
THE ZOOLOGICAL RECORD.
PUBLICATIONS OF THE RAY SOCIETY.
JOURNAL OF THE CHEMICAL SOCIETY.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.
JOURNAL OF THE ROYAL AGRICULTURAL SOCIETY.
THE GEOGRAPHICAL JOURNAL.
REPORT OF THE BRITISH ASSOCIATION.

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Report of the Council.

In presenting the fifty-first annual report of the Auckland Institute and Museum, the Council can once more direct attention to the steady progress of the Society, and the increasing interest taken in its operations by the community.

It is also satisfactory to state that this year has witnessed the successful completion of the attempt to obtain a new site for the Museum, in a situation where it is possible to erect a building free from the many drawbacks and deficiencies of the existing site, and where there is not only room for present needs, but ample space for future extension.

Members.—Mainly through the activity of the Hon. E. Mitchellson and Mr. H. E. Vaile, 48 new members have been elected during the year. On the other hand, 36 names have been withdrawn from the roll—18 from death, 11 by resignation, and 7 by non-payment of subscription for more than two consecutive years. The net gain has thus been 12, the number on the roll at the present time being 462. It may be incidentally mentioned that not one of the other Societies incorporated with the New Zealand Institute has a members' roll of over 200.

The number of members removed by death is far above the average, and includes several who have long been in association with the Institute. Mr. C. Cooper served upon the Council from 1886 to 1894, and contributed several papers on conchological subjects; Mr. T. Buddle, Mr. M. Casey, Mr. J. W. Ellis, Mr. H. Larkin, and Mr. H. H. Metcalfe have all been of considerable service to the Society in one direction or another. It should be mentioned that the Institute still retains on its roll, as dormant honorary members, all those of its subscribers who are at present serving their King and Country in the New Zealand Expeditionary Force, the number of such being 21.

Finance.—Full information respecting the financial position of the Institute can be obtained from the balance-sheets accompanying this report, but the following synopsis will doubtless be of use. The total revenue of the working account, excluding the balance in hand at the beginning of the year, has been £1,678 13s. 9d. This is a little under last year's amount, the difference being altogether due to a temporary delay in the payment of certain items of interest on investments. Examining the various headings, it will be seen that the members' subscriptions have yielded £437 17s., against £420 contributed last year, and being the largest sum yet received from

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that source of income. The receipts from the Museum Endowment, consisting of rents and interest, have amounted to £656 15s. 6d., the previous year's contribution being £713 12s. 11d. The invested funds of the Costley bequest have provided £432 17s. 6d., the amount for the previous year being £453 18s. 1d. The total expenditure has been £1,717 6s. 9d., being somewhat smaller than last year's amount, which totalled £1,763 11s. 4d. It is satisfactory to state that a sum of £200 has been paid in final liquidation of the cost of fitting up the foreign ethnographic hall. The cash balance in hand at the present time amounts to £127 7s. 6d.

There is little to report respecting the invested funds of the Institute, which have been increased during the year by the sum of £76 0s. 2d., mostly obtained from the sale of some small endowments. The total amount now stands at £22,945 13s. 9d., almost the whole of which is satisfactorily placed in specially selected mortgages or municipal debentures.

Members are aware that during the last session of Parliament the Institute submitted a petition praying for the refund of a sum of £912, paid under protest as mortgage tax, on the ground that the income of the Institute, as a scientific body not carried on for private pecuniary profit, was not liable for taxation. The Petitions Committee upheld the contention of the Institute, and recommended the petition to the "favourable consideration of the Government." Notwithstanding this, the Cabinet has decided that "after careful consideration, it was regretted that no action could be taken in the matter."

Meetings.—At the beginning of the session, a "Meetings Committee" was appointed to ascertain how far the Institute could take a more active interest in the dissemination of scientific knowledge by means of lectures. After consideration, it was decided to increase the number of lectures, and also to provide, in a tentative manner, for the introduction of courses of lectures in cases where it was obvious that the subject was too extensive for proper treatment within the scope of a single lecture. These changes proved decidedly popular, and led to a considerable increase in the attendance. The following is a list of the lectures and papers contributed:

1. The Story of the Constellations.—By G. Aldridge.
2. Alcohol in its Industrial and Scientific Aspects.—By A. Wyllie, Electrical Engineer to the City of Auckland.
3. Recent Scientific Thought Concerning Light and the Aether, Part I.—By E. V. Miller.
4. Recent Scientific Thought Concerning Light and the Aether, Part II.—By E. V. Miller.
5. The Theatre and Stage Effects in Shakespear's Time.—By Professor C. W. Egerton, M.A.

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6. Combustion, Part I.—By Professor F. P. Worley, M.Sc.
7. Combustion, Part II.—By Professor F. P. Worley, M.Sc.
8. Houseflies and Public Health.—By Professor J. C. Johnson, M.Sc.
9. The Fossiliferous Beds at Kawa, Port Waikato.—By J. A. Bartrum.
10. New Fossil Mollusca.—By J. A. Bartrum.
11. Some recent additions to the New Zealand Flora.—By T. F. Cheeseman.
12. Contributions to a knowledge of the New Zealand Flora, Part VI.—By T. F. Cheeseman.
13. Descriptions of new Native Flowering Plants.—By D. Petrie.
14. A new variety of *Pteris macilenta*.—By H. Carse.

Those of the above that were written for publication in the Transactions of the New Zealand Institute have been forwarded to the Editor, and will probably appear in Vol. 51, which is now being sent to Press. Volume 50, containing the papers read before the various branches of the Institute during 1917, has been issued, and at a considerably earlier date than has been customary for some years past.

In connection with the encouragement of research, it should be notified that the Government has announced that a grant of £2,000 is now available for division among applicants engaged in scientific research. All applications must pass through a branch of the New Zealand Institute; and Auckland candidates should apply at the office of the Auckland Institute for any information they may require.

Library.—It was stated in last year's report that the risk of loss from submarines, and the greatly increased charges for freight, insurance, etc., had compelled the Council, much to its regret, to suspend the purchase of books. Last October, however, when it became evident that the end of the war was drawing near, it was decided to resume operations, and an unusually large order was sent to the Society's London agents. The books may be expected about the middle of March or early in April, and will be welcomed by frequenters of the Library. It is hoped to forward another order shortly after the arrival of the first. The magazines and serial publications subscribed to, a list of which appears on another page, have been regularly received, and made available for the use of members. A considerable expenditure has been incurred in binding the back numbers of these publications, over 60 volumes having been

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placed in the Library from that source alone. The usual presentations and exchanges have been received from foreign Societies, and several donations from private individuals have been added to the Library.

No department of the Institute suffers more from the want of room than the Library; and now that the purchase of books has been resumed, the need of accommodation will soon become a burning question. As a temporary expedient, it has been decided to erect a range of shelving in the assistant's room. This will relieve the pressure for a few months, after which the same difficulty will doubtless appear in a more intensified degree.

Museum.—The recent epidemic of influenza has greatly affected the attendance at the Museum. In the first place, it necessitated the closing of the Institution from November 3 to December 1, or nearly a full month; and after the re-opening it was at least another month before the attendance became normal. Taking the Sunday visitors first, the register kept by the attendant shows that 20,842 people entered the building on that day, being an average of 453 for each Sunday. The greatest attendance was 934 on July 7, and the smallest, 75 on April 28, an exceedingly wet day. On the eight chief holidays of the year the total number of visitors was 6,801, being a daily average of 850. The largest attendance on any single holiday was 1,246 on Labour Day, closely followed by 1,232 on King's Birthday, and 1,145 on Easter Monday. On ordinary week days the visitors can only be occasionally counted; but the daily average is believed to be not less than 200, which would make a total of 55,000, after deducting the days on which the Museum was closed on account of the epidemic. Adding to this number that already given for Sundays and holidays, the total number of visitors for the whole year can be stated at 82,643. Last year the estimate was 87,350.

In the present congested state of a large portion of the Museum, it is difficult to make any satisfactory progress, or to exhibit more than a small proportion of the additions that are regularly being received. A considerable amount of work has been done in the Maori Hall in the direction of re-arranging the larger carvings on the eastern wall. By erecting a new framework over the show-cases space has been obtained for the exhibition of several fresh carvings of interest, while the general appearance has been much improved. During the coming season, it is intended to carry out a similar improvement on the western side of the hall. It should be stated that the labelling of the Maori Hall has been practically completed, only a few recent additions being now without printed descriptive labels.

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The appended list will show that numerous additions and donations have been received; but only the more important can be mentioned here. Prominent is a magnificent Pare, or carved architrave for the doorway of a Maori house, evidently of great age, and in perfect condition. It was dug up in a peat swamp in the Hauraki Plains, and has been deposited for a lengthened period by the finder, Mr. L. Carter, together with several other interesting articles.

An ancient house carving, found in the mud of a branch of the Kaipara River, and presenting several unusual features, has been kindly donated by Mr. A. S. Bankart. It is presumed to be the work of the now extinct Waiohua tribe, which once occupied the whole of the district between the Auckland isthmus and the Kaipara River.

Other noteworthy additions to the ethnographical collections comprise several valuable carvings deposited by Mr. A. Eady, who has already placed many specimens in the Museum; a fine carved burial chest, purchased from Mr. E. Spencer; a considerable number of Maori and Polynesian articles presented by Mr. G. Graham, who for many years has been a constant contributor to the Museum; a collection of 109 Melanesian and Polynesian specimens purchased from Archdeacon Comins; and finally, an elaborate gold-lacquered Japanese cabinet presented by Mr. H. Shaw.

Among the war relics presented during the year, the first place must be given to an interesting collection formed by Mr. C. J. Parr, C.M.G., during his recent visit to the Western Front, and which includes several noteworthy articles. Several contributions of value have also been received from Colonel Boscawen, Mr. H. Norton, F. G. Calver, and others.

Among the Zoological specimens the following may be mentioned:—An excellent skin of a lion, from a specimen that died at the Onehunga Zoo, presented by the proprietor, Mr. J. J. Boyd; a specimen of the Sooty Tern (*Sterna fuliginosa*), driven in by the cyclonic storm on



Ancient Carving found in the mud of the Kaipara River.—Presented by Mr. A. S. Bankart.

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March 20, and presented by Mr. H. F. Smith. It has not been previously noticed on the mainland of New Zealand. The severe weather experienced during the whole of the month of July drove in many thousands of the oceanic Dove-petrels, birds very seldom seen on the mainland. Through the kindness of several correspondents in the country, the Museum has received an excellent series of these pretty little birds.

In the Natural History Department, Mr. Griffin has completed the elaborate group illustrating the breeding habits of the Black-fronted Tern (*Sterna frontalis*), referred to in last year's Report as being under preparation, and it is now on exhibition. He has also mounted in excellent style the head of the well-known racehorse Carbine, which has been presented to the Museum by the Auckland Racing Club. At present he is engaged in setting up a remarkably fine specimen of the Sea Leopard, stranded some little time ago in the Manukau Harbour. Various other natural-history specimens have been prepared and mounted during the year, in addition to work in other departments of the Museum.

Drawbacks and Deficiencies of the Present Museum. — In many successive Annual Reports it has been the duty of the Council to speak more or less openly in regard to the limitations and deficiencies of the present buildings, and to show how much these have interfered with the work of the Museum, and have stood in the way of its proper expansion. Now that there are prospects of better accommodation in the future, it seems advisable to shortly describe the obstacles that should be removed, and the most desirable improvements to be effected.

In the first place, there is no department of the Museum that has sufficient room for exhibition purposes. With regard to the ethnographical collections, the Curator has frequently pointed out how greatly the teaching value of the Maori portion would be improved, and its appearance enhanced, if it were possible to remove the carved houses, canoes, and other large objects from their present quarters, and place them in a separate hall, where they could be treated as occupying the central courtyard of a Maori village, similar to one of those that in past days stood on the shore of the Waitemata Harbour. Similarly, the Polynesian Collection is obviously overcrowded, although the visitor may not know that all recent collections are packed away in store boxes.

Turning to the Natural History Department, a glance at the show-cases containing the New Zealand birds will prove that no space remains for further additions. The preparation of special groups illustrating the life history of New Zealand birds, which have proved to be such popular exhibits, has had to be suspended, there being no available space in which to place the show-cases. A small

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amount of room has been reserved for the collection of fishes, now being formed, but with that exception there is no unfilled space. Yet in some sections, such as insects and other invertebrates, hardly anything has been done. No attempt has yet been made to form a botanical Museum. The geological and mineralogical collections require many additions, and the substitution of better specimens for most of those exhibited.

One of the most disturbing facts connected with the present overcrowded condition of the Museum is that several large collections of natural-history specimens, at present in the hands of private owners, would be gladly presented if there was a reasonable probability that such could be suitably exhibited, and made available for scientific study and research. These collections have been patiently formed by the labour of many years, and it would be little less than a calamity if the chance of obtaining them for Auckland should be lost.

The present want of accommodation and equipment for collecting, research, and the convenience of visitors is a most serious drawback. The Museum has no proper storerooms; no accommodation for students who may wish to make use of the collections; no rooms in which specimens can be sorted, examined, and determined, or packed away as duplicates. There is no inquiry room where strangers in search of information can be received and their questions answered; nor are there any retiring rooms where visitors can leave their belongings, or have an opportunity of consuming a hasty lunch. All progressive Museums provide the above adjuncts, and their want has long been left in Auckland. To sum up, no satisfactory progress in the Museum can be hoped for, until these drawbacks and deficiencies are removed. This can only be done in a much larger, better planned, and more completely equipped building.

The Need for a New Building.—In last year's Report, the Council showed that the existing site of the Museum was not large enough for present requirements, to say nothing of future needs. It was also proved that the cost of enlarging the site by the purchase of adjoining land was altogether beyond the means of the Institute, even if there was any prospect of financing a scheme involving the purchase of expensive city property as well as the erection of new buildings. The inevitable conclusion was the removal of the Museum from its present position. After much consideration, it was decided to apply to the City Council for a site on Observatory Hill, in the Auckland Domain, a situation which possesses the fundamental advantages of room for future expansion, decreased risk of fire, and freedom from dust and smoke. The City Council, desirous to assist the Institute in its search for a new home, unanimously agreed to give the necessary permission, subject to the

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Council of the Institute promoting any legislation that might be required. The result of this action was reported to the last annual meeting, and was confirmed by a very large majority.

As the solicitors to both the City Council and the Institute were of opinion that a Validating Act was necessary, arrangements were at once made for the drafting of such, the terms being agreed upon at a conference of the two bodies. Under this Act, power is given to sell the present site, and apply the proceeds towards the erection of a new Museum in the Domain; while the City Council receives authority to lease to the Institute, at a nominal rent, an area of nearly three acres on Observatory Hill. It is also provided that the Mayor *ex officio*, and two members of the City Council annually appointed, shall in future represent the City on the Council of the Institute.

The Act, which bears the title of "The Auckland Institute and Museum Site Empowering Act," was placed in the charge of Mr. C. J. Parr, C.M.G., and being practically unopposed, had a rapid passage through Parliament. It has since received the Governor's assent, and is now law. The Council have great pleasure in stating that from the first inception of the scheme for transferring the Museum to the Domain up to the present time no opposition of any moment has been raised, while many expressions of support have been volunteered. It is doubtful whether any proposal advocating a site for an important public building in Auckland has been so favourably and so generally accepted. In this connection, the Council wish to state their high appreciation of the action of the City Council in so generously acceding to the wishes of the Institute.

As for the character of the site, all that need be said here is that it is in every way suited for the purpose. It has all the advantages of a commanding position, greatly reduced risk of fire, freedom from dust and smoke, and, above all, room for future expansion. Few of the larger Museums of the world are so happily placed. In granting a portion of Observatory Hill as the site of the future Museum for Auckland, the City has cheerfully and willingly given of its best. Let the Institute look to itself that full use is made of such great opportunities.

A War Memorial Museum.—Closely allied to the attempt to erect a Museum worthy of the City of Auckland on the slopes of the Domain is the formation of a collection illustrating the share that this country has taken in the Great War. It has long been the aim and hope of the Institute that an important part of the new building to be erected shall consist of a War Memorial Museum, capable of adequately commemorating the trials and hardships, the labour and sacrifice, of the many thousands of soldiers of all classes who have left New Zealand to assist in crushing the German peril.

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Many of these have given up their life in the struggle; others will return maimed and suffering—perhaps never to recover health. Is there to be no “Hall of Memory” in Auckland to keep alive for all time a knowledge of the many brave deeds of these men—to commemorate their dauntless courage and steadfast devotion to duty? The very idea is almost unthinkable—but, time is fleeting, and opportunities are being lost.

The extraordinary reluctance of the Government to assist any local effort for the formation of war collections is much to be regretted. In a reply to a communication from the Institute the Minister of Defence explicitly stated that war trophies can only be forwarded to those towns that are headquarters of regiments. Museums desirous of obtaining trophies must therefore apply to the Mayors of such towns. Nothing has yet been disclosed of any serious attempt to form a collection of real value except a few references to what is being done for the Dominion Museum. Are there not at least three other Museums of importance in New Zealand besides the Dominion Museum? Have they no claims to be considered? Compare the neglect and indifference shown in New Zealand with the sympathetic readiness of the Home Government. When a Local War Museums Committee was established and a meeting called in London, the First Commissioner of Works (Sir Alfred Mond) attended, gave most valuable advice, and engaged that the Imperial Government should assist. He specially urged that Local War Museums should be organised throughout the country. The matter cannot long remain in its present position; and it behoves the Council to further press upon the Government the need for greater activity, and a more sympathetic outlook towards local Museums and other institutions. In the meantime the Council commends the subject to the consideration of the citizens.

Conclusion.—The Council has now placed the exact position of the Institute and Museum before the members and the citizens of Auckland. It has described the disabilities that at present limit the advancement of the Museum. It has shown that the existing site is insufficient for present needs, to say nothing of future requirements. It has reported to the meeting the action that has resulted in the acquirement of the Domain site, and has alluded to its many excellencies and possibilities. It has urged the inclusion within the Museum of a war collection illustrating the gallant deeds and untold sufferings of our soldiers during the Great War. Finally, it now suggests the erection within the Domain of a Combined Museum and War Memorial Collection, planned on such a scale, and equipped in such a manner, as to constitute not only a full and permanent record of the war, but also a worthy home for the treasures to be housed in the Auckland Museum of the future.

The Treasurer in Account with the Auckland Institute and Museum Trust Board.

February 20, 1918, to February 20, 1919.

I.—WORKING ACCOUNT.

	£ s. d.		£ s. d.
Balance in the Bank of New Zealand, February 20, 1918	166 0 6	Library—Books, Periodicals, Binding	128 19 4
Subscriptions	437 17 0	Additions to Museum	63 10 0
Interest from Costley Bequest	432 17 6	Museum Requisites	56 2 5
Rents and Interest transferred from Museum Endow- ment Account	636 15 6	Salaries	822 17 0
Interest from Mackenzie Library Account	91 13 9	Printing, Advertising, Typing, Insurance, Gas, Annual Cleaning, Expenses of Meetings, Stationery, Postages, and other expenses	271 17 1
Interest from Campbell Bequest	45 0 0	Show-cases and Fittings	59 13 6
Interest from Nathan Bequest	3 0 0	Repairs to Buildings, Painting, etc.	46 5 7
Interest from Life Subscription Account	8 8 0	Investment Account in extinguishment of Loan	200 0 0
Miscellaneous Receipts	3 2 0	Call by New Zealand Institute towards defraying cost of printing Transactions	21 17 6
	<hr/> £1,844 14 3	Life Subscription transferred to Savings Bank	10 10 0
	<hr/>	Interest on Loan	12 0 0
	<hr/>	Survey of Domain Site	10 7 0
	<hr/>	Miscellaneous Payments	13 7 4
	<hr/>	Balance in Bank of New Zealand, February 20, 1919	127 7 6
	<hr/>		£1,844 14 3

T. F. CHEESEMAN, Treasurer.

I have examined the above statement of accounts and checked the books and vouchers in connection therewith. I hereby certify
that it is a correct statement of the working expenses and receipts to February 20, 1919.

S. GRAY, F.R.A., Auditor.

The Treasurer in Account with the Auckland Institute and Museum Trust Board.

February 20, 1918, to February 20, 1919

II.—MUSEUM ENDOWMENT ACCOUNT.

	£ s. d.		£ s. d.	
Balance in the Bank of New Zealand, February 20, 1918	3 17 1		656 15 6	
Endowments Sold	65 10 2		65 10 2	
Rent of Endowments	69 6 11		10 0	
Interest on Investments	587 18 7		3 17 1	
	<hr/> £726 12 9		<hr/> £726 12 9	
			15	

III.—MACKECHNIE LIBRARY BEQUEST ACCOUNT.

	£ s. d.		£ s. d.	
Balance in Bank of New Zealand, February 20, 1918	1 13 6		91 13 9	
Interest from Investments	91 13 9		10 0	
	<hr/> £93 7 3		<hr/> £93 7 3	
			6	

T. F. CHEESEMAN, Treasurer.

Examined and found correct.

S. GRAY, F.R.A., Auditor.

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Invested Funds OF THE Auckland Institute and Museum

FEBRUARY 20, 1919.

I.—APPORTIONMENT UNDER STATUTORY HEADINGS OR BY RESOLUTION OF THE COUNCIL:—

	£	s.	d.
Costley Bequest	7,700	0	0
Museum Endowment	11,842	7	3
Mackechnie Library Bequest	2,000	0	0
Campbell Bequest	1,000	0	0
Nathan Bequest	100	0	0
Life Subscription Account	303	6	6
	<hr/>	<hr/>	<hr/>
	£22,945	13	9

II.—MODE OF INVESTMENT:—

	£	s.	d.
Mortgages on Freehold Securities	16,700	0	0
Corporation and Harbour Debentures	5,000	0	0
Gas Company Debentures and Loan	1,050	0	0
Deposited in Auckland Savings Bank	23	6	6
Waiting Investment	172	7	3
	<hr/>	<hr/>	<hr/>
	£22,945	13	9

T. F. CHEESEMAN, Treasurer.

I have examined the Deeds of the Securities and the Bank Certificate of Debentures held, and certify the above statement to be correct.

S. GRAY, F.R.A., Auditor.

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Form of Bequest.

*I give and bequeath to the Institution known
as the Auckland Institute and Museum the sum of
£ free of succession or estate duty,
to be applicable for the general purposes of such
Institution. And I declare that the receipt of the
Treasurer or the proper officer for the time being
of such Institution shall be a sufficient discharge
for the same.*

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List of Benefactions

made to the

Auckland Institute and Museum.

of an amount (or value) exceeding £50.



1876.

£2,026 subscribed by the citizens of Auckland towards meeting the cost of the first portion of the present Museum Buildings. (This sum included two donations of £500 each from Mr. Justice Gillies and the Hon. T. Williamson.)

1876.

Presentation made by Mr. R. C. Barstow of a large and varied collection of Maori articles, including flax and dog-skin cloaks, carvings, greenstone ornaments, bone and stone meres, fish-hooks, etc., etc.

1877.

Bequest from Mr. G. F. Edmonston of 564 volumes of standard works on Physical and Natural Science.

1878.

Donation from Mr. T. Russell, C.M.G., of 34 plaster-casts and busts from the antique.

1878.

£106 donated by Mr. J. C. Firth to cover the expense of show-cases in the Museum.

1879-1883.

Mr. J. T. Mackelvie presented 260 volumes of books relating to the early history of New Zealand; 130 volumes of miscellaneous scientific works; a collection of ethnographical specimens from the Swiss Lake Dwellings; and 40 picked mineral specimens.

1884.

Bequest from Mr. Edward Costley of £12,150.

1887.

Bequest from Mr. David Nathan of £100.

1887.

Bequest of Maori articles from Mr. C. O. Davis, comprising dog-skin and feather mats; taiahas, paddles, spears; bone and wooden meres; carved boxes; and a variety of other articles.

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1897-1898.

Donation of £100 from Mr. T. Russell, to cover the expense of forming a collection of geological specimens from the Cape Colville Peninsula.

1901.

Japanese Shinto Shrine, elaborately lacquered and decorated, presented by Mr. L. D. Nathan.

1901-1902.

£1,000 subscribed by the citizens of Auckland for the purchase of the Mair Collection of Maori Ethnographical Articles.

1902-1903.

Bequest of £2,500 from Mr. E. A. Mackechnie (£2,000 to be invested in order to produce an income for the purchase of books for the Library of the Institute; £500 to be expended in providing groups of the larger mammals and the necessary show-cases.)

1906-1907.

£662 subscribed by the citizens of Auckland for the purchase of Mr. Fenton's elaborately carved Pataka, and for the purchase and erection of the Runanga House, Rangitihi.

1911-1912.

£684 subscribed by the citizens of Auckland for the purchase of ancient historic Maori Carvings; and for other additions to the Museum.

1913.

Bequest of £1,000 from Sir John Logan Campbell.

1913.

Donation from Mr. Henry Shaw of 62 volumes of Geographical and Scientific works, and of 110 volumes from Mr. F. Shaw.

1913.

Unusually large and complete collection of Kauri Gum, containing 400 examples, together with the plate-glass show-case containing the same, presented by the Hon. E. Mitchelson.

1915.

Series of 79 specimens of Old English Glass, ranging from the time of the Roman occupancy of Britain to the middle of the eighteenth century. Presented by Dr. C. E. R. Bucknill.

1916.

Collection of 131 specimens of Japanese Ivories, Bronzes, and Cloissoné, many possessing considerable ethnographical and artistic value. Presented by Mr. Henry Shaw.

1917.

Collection of 120 Ethnographical specimens, 55 being of Maori origin, and including several rare and valuable articles, the remainder Polynesian or Melanesian. Bequeathed by Miss Ruth G. Northercroft.

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Additions and Donations TO THE Library and Museum.

- Parliamentary Papers and Reports; New Zealand Hansard for 1918; Monthly Abstracts of Statistics for 1918; Journal of Agriculture for 1917-1918; 51st Annual Report of the Dominion Laboratory; New Zealand Official Year-book for 1917; Municipal Handbook of New Zealand for 1917:—The New Zealand Government.
- Bulletin 19 of the Geological Survey of New Zealand (Marshall's Geology of the Tuapeka District); Bulletin 20 (Park's Geology of the Oamaru District); Palaeontological Bulletin No. 5 (Suter's New Tertiary Mollusca); No. 6 (Newell Arber's Earlier Mesozoic Floras of New Zealand):—The Geological Survey.
- Journal of the Polynesian Society, vol. 27:—The Society.
- Journal of the Linnean Society of New South Wales, parts of vols. 42 and 43:—The Society.
- Records of the Australian Museum, parts of vols. 12 and 13:—The Museum.
- Annual Report of the Department of Mines, New South Wales; Biological Results of the Cruise of the Endeavour, parts of vols. 4 and 5:—The Department.
- Maiden's Revision of the Genus Eucalyptus, parts of vol. 4:—The Author.
- Report of the Sydney Botanical Garden for 1916:—The Garden.
- Reports of the Australasian Antarctic Expedition, vol. 5, parts 2, 3, 4:—The Editor.
- Proceedings of the Royal Society of Victoria, vol. 30:—The Society.
- Ewart and Davies' Flora of the Northern Territory of Australia:—The Authors.
- Report of the Public Library, Museums, and National Gallery of Victoria:—The Victorian Government.
- The Australian Naturalist, parts of vol. 4:—The Editor.
- Gold Deposition in the Bendigo Goldfield, pt. 2; Agricultural Research in Australia:—The Advisory Council of Science and Industry, Australia.
- Proceedings of the Royal Society of Queensland, vol. 29:—The Society.
- Memoirs of the Queensland Museum, vol. 6:—The Museum.
- Memoirs of the Bishop Museum, Honolulu, vol. 4, part 3; vol. 5, part 1; vol. 7, part 1:—The Museum.
- Rock's Ohia Lehua Trees of Hawaii:—The Forestry Board of Hawaii.
- Bulletin de la Société d'Etudes Oceaniques, Tahiti, Nos. 2 and 3:—The Society.
- Annals of the South African Museum, vol. 17:—The Museum.
- Annual Report of the National Observatory of Rio Janeiro:—The Observatory.
- Anales del Instituto Geologico de Mexico, No. 5; Bulletin No. 30:—The Mexican Government.
- Annual Report of the Field Museum of Natural History for 1917:—The Field Museum.

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Annual Report of the United States National Museum for 1917; Proceedings, vols. 51, 52, 53; Cushman's Monograph of the Foraminifera of the Atlantic Ocean (Bulletin No. 104); Von Name's Ascidians from the Philippines (Bulletin No. 100); Hollister's East African Mammals (Bulletin No. 99); Contributions from the United States National Herbarium, vol. 20, pts. 3, 4, 5;—The United States National Museum.

Spinden's Ancient Civilisation in Mexico and Central America; History Plan and Scope of the American Museum of Natural History; Lucas's American Museum Buildings; The new African Hall of the American Museum;—The American Museum of Natural History.

Bulletins 61, 63, and 66 of the Bureau of American Ethnology;—The Bureau.

Horton's Three-lined Fig-tree Borer; Back and Pemberton's Melon Fly; Pierce's Weevils affecting Potatoes; Back and Pemberton's Mediterranean Fruit Fly in Hawaii; Horton's Citrus Thrip; Krimbach's The Cow and its Relation to Man; Horton's Argentine Ant and Citrus Groves; Hunter's Pink Bollworm; Scott's Experiments on Bugs, Cockroaches, and Clothes Moths; Goldman's Rice Rats of North America; Jones's Insects Injurious to the Globe Artichoke; Gilbert and Pogue's Resources and Utilisation of Coal; Gilbert and Pogue's Power, its Significance and Needs; North American Fauna, Nos. 41, 42, 43, 44; Journal of Agricultural Research, parts of volumes 12, 13, 14; Bulletins 689, 731;—The United States Department of Agriculture.

Reinecke's Road Material Surveys in 1915; Quirke's Espanola District, Ontario; Johnston's Pleistocene and Recent Deposits near Ottawa; Iron Occurrences in Canada, vol. 2 and appendix; Lambe's The Cretaceous Dinosaur *Gorgonosaurus*; Mineral Production of Canada for 1916; Davis's Clay Resources of Southern Saskatchewan; Stansfield and Nicoll's Analyses of Canadian Fuels, parts 3, 4, 5; Wilson's Timiskaming County, Quebec; Collins's Omaping Map Area; Museum Bulletins Nos. 27, 28; Elworthy's Mineral Springs of Canada, part 2; Park's, Building and Ornamental Stones of Canada; Johnston's Rainy River District; Summary Reports for 1916 and 1917;—The Department of Mines, Canada.

United Empire Journal for 1917-1918;—The Royal Colonial Institute.

Kew Bulletin for 1917-1918;—The Director, Kew.

Science Abstracts for 1917 (vol. 20);—Professor Brown.

Symon's Meteorological Magazine for 1918;—The Editor.

Bulletin of the Imperial Institute, vol. 14; various pamphlets;—F. C. Rollett.

Wright's Fruitgrowers' Guide, vols. 1-4;—J. Dennin.

Horne's A Year in Fiji;—Archdeacon Comins.

Sir Oliver Lodge's Raymond, or Life and Death;—H. Dobbie.

The Museums Journal for 1918;—The Museums Association.

Annual Reports, Nos. 1 to 10, of the National Museum of Wales;—The Museum.

Report of the Manchester Museum for 1916-1917; Notes from the Manchester Museum, No. 23;—The Museum.

Annual Report of the Bristol Museum for 1917;—The Museum.

Publications of the Los Angeles Museum, California;—The Museum.

Reports of the Leicester Museum;—The Museum.

Painting by C. Blomfield of the Terraces at Rotomahana, destroyed by the eruption of Tarawera in June, 1886;—H. E. Partridge.

Maori Cranium from Pakiri;—A. Downey.

Maori Cranium from the Thames Valley;—J. Body.

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- Skin of Lion from the Onehunga Zoo:—J. J. Boyd.
Head of the celebrated Racehorse Carbine, together with plate-glass show-case:—The Auckland Racing Club.
Sea Leopard (*Stenorhynchus leptonyx*), stranded near Papakura:—W. Ward.
- Specimens of various species of Dove Petrels (*Prion*), driven on to the western coasts of New Zealand by the violent gales of July, 1918:—Mrs. J. B. Brown, C. C. Sandford, H. Sellman, R. Pathe, A. D. Causer, J. M. Russell, H. H. Hull, J. B. Graham, F. Kearsley, S. Veal, F. N. Wallis, H. Ackland, A. E. Warrington, E. R. Crook, T. G. Robinson.
- Specimen of Sooty Tern (*Sterna fuliginosa*) picked up near the Waitomo Caves after the cyclonic storm of March, 1918, the first specimen seen on the mainland of New Zealand:—H. F. Smith.
- Frigate Bird (*Fregatta*) picked up in the Manukau Harbour:—H. C. Small.
- Long-tailed Cuckoo (*Eudynamis taitensis*) found at South Whau:—J. A. Parry.
- Specimen of *Eudyptula minor*:—G. Fairfield.
- Collection of skins of Chatham Islands birds:—J. Dannefaerd.
- Parrot from Fiji:—H. M. Michael.
- Skins of *Phasianus versicolor* and *P. scintillans*:—J. P. Hooton.
- Collection of 23 specimens of birds' eggs from Norfolk Island:—A. A. Greenwood.
- Skin of Parrot:—Miss Harrison.
- Skin of Sword-fish (*Histiophorus*), caught at the Bay of Islands:—G. S. Reade.
- Rainbow Trout (*Salmo irideus*), weighing 20½ lbs., caught at the exit of Lake Taupo.
- Green Lizard (*Naultinus punctatus*), obtained at Taupo:—A. McNab.
- Yellow Lizard (*Naultinus elegans*), Thames Valley:—W. Penseler.
- Lizard collected at Jericho, Jordan Valley:—Trooper Leslie, New Zealand Expeditionary Force.
- Living specimen of *Trachycarpus rugosus*, found near the railway at Tuakau:—A. F. Brown.
- Two specimens *Paryphanta Busbyi*:—J. Dennin.
- Unusually large specimens of *Melanopsis trifasciata*:—H. Wily.
- Specimens of *Janthina communis*:—Hon. E. Mitchelson.
- New Zealand Shells:—A. Brown.
- Wasp's Nest (*Polistes*), obtained at Wharehine:—A. E. Brookes.
- Wasp's Nest (*Polistes*), obtained at Kaikohe:—W. Cook.
- Specimens of *Sphinx convolvuli*:—W. Harold.
- Common Weta (*Deinacrida thoracica*):—A. Mackenzie.
- Egg-cases and young of Praying Mantis (*Orthodera ministralis*):—T. Robinson.
- Large Earthworm, 3 ft. 2 in. long, from Te Hana, Kaipara:—C. G. Rhodes.
- Specimens of *Holothuria* sp.:—W. McPherson.
- Large Brittle Star, found at Seatown, Cook's Straits:—H. J. Smith.
- Large Centipede, from Fiji:—K. V. Crook.
- Arsenical Iron Pyrites, from Tangahī:—E. Bassett.
- Iron Bomb-shell Ore, from Raglan:—T. G. Carr.
- Picked specimens of Sodalite, Stilbite, and Amblygonite:—Mr. Holland.
- Large Concretion, found at the Bay of Islands:—E. Goodhue.
- Fossil Palm Nuts, from Mongonui:—D. Jenkins.
- Large Fossil Bivalve, from Motutara, West Coast:—Hon. E. Mitchelson.

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Fossils of Triassic age, collected in the bed of the Waiotahi River, Bay of Plenty:—J. B. Gordon.
Large collection of Fossil Shells from near the mouth of the Wanganui River:—W. La Roche.

- Large and elaborately carved Pare, or architrave, from the doorway of a Maori house; long-handled scoop; small carved bowl; wooden comb; small hinaki for catching whitebait; one adze-handle; wooden wedge; three wooden weapons or implements of unknown use; two wooden spades; five stone adzes; all dug up in a peat swamp in the Hauraki Plains, and deposited for a lengthened period by the finder, Mr. L. Carter.
- Elaborately carved house carving, found in the mud of the Kaipara River:—A. S. Bankart.
- Finely-finished bone fish-hook, from the Kaipara district; iron fish-hook with original plaited lashing, from Monk's Cave, near Christchurch:—E. H. Woledge.
- Carver's chisel of greenstone; greenstone pendant known as Te Parakore, an heirloom of the Ngaiterangi tribe; stone fishing weight; woven Maori kit; stone adze found in Myers Park; various stone adzes:—G. Graham.
- Unusually large and highly-finished stone adze, found at Longburn, Manawatu:—H. C. Mellissop.
- Eight Maori carvings; six Polynesian articles:—Deposited by Mr. A. Eady.
- Large wooden fish-hook, found concealed in a small cave near the Manukau Heads:—W. S. Macpherson.
- Large burial-chest; two pekapekas of inanga greenstone; carved bird-snare; carving from the window of a store-house; ancient kumete; two figure-heads of canoes; three albatross hooks; various other articles:—Purchased.
- Two unpolished stone adzes:—P. E. Cheal.
- Two stone adzes, found at Maungaturoto:—C. Ford.
- Remarkably fine greenstone ear-pendant; carved top of a pah post:—Purchased.
- Iron tomahawk with handle of whale's bone, from the Kaipara district:—Miss Martin.
- Stone implement used for smoothing the interior of a war canoe:—J. Arnaboldi.
- Net-sinker of peculiar shape, found at Okahukura, near Tauhoe:—H. J. Gilberd.
- Three stone adzes, found in a railway quarry at Wiri:—D. T. McIntosh.
- Maori grindstone, dug up on the Ellerslie Racecourse:—A. Hill.
- Borer, or drill-point; stone shewing attempts at cutting; stone implement:—Captain Haultain.
- Fringed kit; two flax trays:—Miss Westwood.
- Two specimens of flax work:—Mrs. A. Graham.
- Unusually massive and highly-polished stone adze, found near Opunake:—J. R. Stewart.
- Four stone adzes, found near Taradale, Pelorus Sound:—J. H. Macmahon.
- Large stone adze:—A. Smellie.
- Six net-sinkers, found slightly covered on the foreshore at Devonport:—Master Stanley Moulton.
- Old trade axe, found in a burial cave near Opua:—A. Downey.
- Figure-head of a small river canoe:—Colonel Boscowen.
- Ceremonial phallic stone, found near Patetonga:—G. A. Hodge.
- Pair of woven sandals:—Mrs. Brunsell.

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Wooden club formed from the twisted base of a young manuka tree:—
F. R. Hutchinson.

Maori hoanga, or grindstone:—A. Brett.

Collection of 109 articles, many by no means common, mainly collected on the Solomon and Santa Cruz Islands:—Purchased from the Rev. Archdeacon Comins, late of the Melanesian Mission.

Hardwood club with broad flat blade; comb from the Solomon Islands; plaited basket and fan; hafted adze from Melanesia; pair of coconut water-vessels, with lashing for the same; club from Savage Islands; lime spatula from the Solomon Islands; drum from New Guinea:—G. Graham.

Weaving loom from the Santa Cruz Islands:—H. E. Partridge.

Shell necklaces from Tahiti:—Purchased.

Tasmanian stone flakes:—T. Steel.

Two throwing-sticks; flint knife with handle of Triodia resin; head-dress of Emu feathers and fur string; tassel of fur string and bandicoot's tails; hank of fur string prepared from fur of kangaroo and opossum; all from Central Australia:—Exchange from the Lake Bathurst School Museum.

hafted stone adze from West Australia; smaller specimen from Cape York; two boomerangs of old type from Darling River; two Womerah, or spear-throwers, from Cape York; millstone and rubber; two cane baskets from North Queensland; bark bucket from North Queensland; six glass spear-heads; 10 stone chipped knives; 20 lancelet flakes; 20 lanceolate flakes; stone flaking hammer; 4 siliceous cores:—Exchange with the Australian Museum, Sydney.

Two sun-dried bricks from the store-city of Pithom, Egypt:—Colonel Mackesy.

27 Egyptian Antiquities—Ushabti figures, amulets, and various other small articles:—Purchased from the Cairo Museum.

Japanese Archer and his retainer, a modelled group:—Mrs. Nelson George. Elaborately gold-lacquered Japanese cabinet; bronze Japanese censer:—H. Shaw.

Mediaeval gauntletted sword:—F. G. Calver.

Old carved pipe, probably Danish:—Mrs. R. Petersen.

Ten Roman copper coins, found at Pudney, near Leeds:—Dr. Coldieut.

Confederate States bank note for 10 dollars:—A. D. Sheffield.

German officer's revolver and case, taken at Armentieres; case of French .75 shell; base of a German high explosive shell; three German fuse-caps of high explosive shells:—C. J. Parr, C.M.G.

Bomb made from a jam tin and used in the New Zealand trenches at Gallipoli; Turkish shell fired into the New Zealand trenches at Gallipoli; early type of bomb fired from a rifle, used in the New Zealand trenches at Gallipoli; case of shell fired from the New Zealand trenches:—Colonel Boscowen.

Head of a German torpedo fired by a submarine at a vessel near the coast of Cornwall. It missed the vessel and struck the base of the cliffs, where it exploded:—H. P. Norton.

Electric torch, taken from a German officer at the capture of Messines, June 7, 1917; set of distinguishing badges used by the New Zealand Rifle Brigade, the Fiji Reinforcements, the New Zealand Maori Pioneers; series of postcards showing the appearance of notable buildings at Ypres before and after the war; identification cards used when transporting wounded soldiers from one hospital to another; envelope of letter forwarded by a British prisoner in Turkey; German field postcard for the use of soldiers:—A. J. Mendoza, New Zealand Rifle Brigade.

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LIST OF MEMBERS

For the Year ending March 31st, 1919
(with Postal Addresses).

(Members are requested to advise the Secretary of any change of Address.)

[Honorary and Life Members distinguished thus *.]

- Abbott, R. H., City Chambers, Queen Street, Auckland.
Abel, R. S., care Abel, Dykes & Co., Shortland Street, Auckland.
Adams, L., 23, Brown Street, Ponsonby.
Adlington, Miss, Aratonga Avenue, Epsom.
Aickin, G., Carlton Gore Road, Auckland.
Alexander, J., Shortland Street, Auckland.
Alexander, L. W., "Beauvoir," Hurstmere Road, Takapuna.
Algic, R. M., M.A., University College, Auckland.
Alison, A., Devonport Ferry Co., Auckland.
Alison, Hon. E. W., M.L.C., Devonport Ferry Co., Auckland.
Alison, E. W., jun., Bank of N.Z. Chambers, Swanson Street, Auckland.
Alison, Ernest, Bank of N.Z. Chambers, Swanson Street, Auckland.
Allen, John, Cheltenham Avenue, Devonport.
Allum, John, National Electrical and Engineering Co., Wellesley Street, Auckland.
Ambury, S. J., Greenwood's Corner, Onehunga.
Anderson, E., Remuera Road, Remuera.
Andrews, F. N., care of Andrews & Clark, Queen St., Auckland.
Ardern, P. S., M.A., Remuera.
Arey, W. E., Victoria Arcade, Auckland.
Armitage, F. L., New Zealand Expeditionary Forces.
Arnold, C., Swanson Street, Auckland.
Arnoldson, L., Quay Street, Auckland.
Arthur, T. B., Elliott Street, Auckland.
Atkinson, H., Grafton Road, Auckland.

Bagnall, H. N., Mason's Avenue, Ponsonby.
Baker, G. H., Commerce Street, Auckland.
Ball, W. T., Sylvan Avenue, Mt. Eden.
Bamford, H. D., LL.D., N.Z. Insurance Buildings, Auckland.
Bankart, A. S., Strand Arcade, Queen Street, Auckland.
Bankart, F. J., Shortland Street, Auckland.
Barr, J., Public Library, Wellesley Street, Auckland.
Barr, J. M., Auckland Savings Bank, Queen Street, Auckland.
Barry, S., Queen Street, Auckland.
Bartlett, W. H., Queen Street, Auckland.
Bartrum, J. A., M.Sc., University College, Auckland.
*Bates, T. L., Alfred Street, Waratah, Newcastle, New South Wales.

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- Batger, J., Mt. Eden Road, Auckland.
Beattie, Dr. R. M., Mental Hospital, Avondale.
Bell, T., Union Soap and Candle Co., Albert Street, Auckland.
Biekworth, J. H., P.O. Box 1018, Auckland.
Binney, E. H., care of Binney and Sons, Fort Street, Auckland.
Birch, F. W., Highwic Avenue, Epsom.
Biss, N. L. H., Shortland Street, Auckland.
Blair, J. M., Market Road, Epsom.
Bloomfield, E. C., Parr & Bloomfield, Shortland Street, Auckland.
*Bloomfield, G. R., "The Pines," Epsom.
*Bloomfield, H. R., St. Stephen's Avenue, Parnell.
Bloomfield, J. L. N. R., St. Stephen's Avenue, Parnell.
Bodle, F., N. Z. Loan and Mercantile Co., Albert Street, Auckland.
Bowyer, S. B., N.Z. Expeditionary Force.
Bradley, Samuel, Onehunga.
Bradney, H., Queen Street Wharf, Auckland.
Brett, H., "Star" Office, Shortland Street, Auckland.
Briffault, R., M.D., N.Z. Expeditionary Force.
Broun, Major T., F.E.S., Knight of the Legion of Honour, Mount Albert.
Brown, E. A., Cleave's Buildings, High Street, Auckland.
Bruce, W. W., Williamson's Chambers, Shortland Street, Auckland.
*Buchanan, A., Vulcan Lane, Auckland.
Buckleton, H., Bank of New Zealand, Auckland.
Buddle, C., Wyndham Street, Auckland.
Burns, R., Customs Street, Auckland.
Burt, A., care A. T. Burt & Co., Customs Street, Auckland.
Bush, W. E., City Engineer, Auckland.
Butler, J., Kauri Timber Co., Customs Street, Auckland.
Butler, Miss, Girls' Grammar School, Auckland.
Buttle, B., Kaiapoi Woollen Company, Elliott Street, Auckland.
Buttle, G. A., Hobson Buildings, Shortland Street, Auckland.
Buttle, J., N.Z. Insurance Co., Queen Street, Auckland.
Cadman, F. P., care of Hoiland, Gillett and Co., Customs Street, Auckland.
Caldwell, D. R., Cambridge.
Campbell, J. P., care Russell, Campbell & McVeagh, High Street, Auckland.
Carlaw, J., 226, Symonds Street, Auckland.
Carpenter, J. M., Newmarket.
Carr, E. J., care of Carr & Haslam, Gladstone Chambers, Quay Street, Auckland.
Carse, H., Kaiaka, Mangonui.
Carter, M., Smeeton's Buildings, Queen Street, Auckland.
Casey, W., Hamilton Road, Ponsonby.
Caughey, A. C., care Smith & Caughey, Queen Street, Auckland.
Caughey, J. Marsden, care of Smith & Caughey, Queen St., Auckland.
Chambers, S. G., 106, Victoria Arcade, Queen Street, Auckland.
Chatfield, Dr. H. A., Victoria Street East, Auckland.
Cheal, P. E., Cameron Road, Remuera.
Cheeseman, T. F., F.L.S., F.Z.S., Museum, Auckland.
Choyce, H. C., Remuera Road, Remuera.
Clark, A., Wellesley Street, Auckland.
Clark, H. C., Wellesley Street, Auckland.
Clark, M., Wellesley Street, Auckland.
Clark, R. G., care of Robertson Bros., Quay Street, Auckland.
Clarke, S. I., Wynyard Street, Auckland.

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- Clay, T. B., care of S. Vaile & Sons, Queen Street, Auckland.
Clayton, C. Z., Ellerslie.
Clayton, D. L., Kauri Timber Co., Customs Street, Auckland.
Cleave, A., High Street, Auckland.
Clinch, J. A., M.A., Training College, Auckland.
Coates, T., Orakei.
Coe, James, Mt. Eden Road, Auckland.
Colbeck, W. B., New Zealand Insurance Buildings, Queen Street, Auckland.
Cole, Rev. R. H., Gladstone Road, Parnell.
Cole, W., Mt. Eden Road, Auckland.
Coleman, J. W., Lower Queen Street, Auckland.
Colwill, J. H., Swanson Street, Auckland.
Coombes, F. H., Victoria Avenue, Remuera.
Cooper, Mr. Justice, Supreme Court, Auckland.
Copeland, M., 97, College Hill, Auckland.
Cory-Wright, S., B.Sc., New Zealand Expeditionary Force.
Court, G., Karangahape Road, Auckland.
Court, J., Hamilton Road, Auckland.
Court, J. W., care of J. Court, Ltd., Queen Street, Auckland.
Cousins, H. G., Normal School, Wellesley Street, Auckland.
Craig, E. A., care J. J. Craig, Ltd., Queen Street, Auckland.
Crompton, W. J., 3, Mt. Pleasant Road, Mt. Eden.
Crook, John, 10, Prospect Terrace, Mount Eden.
Cuff, J. C., Emerald Hill, Epsom.
Culling, T. S., Ferry Buildings, Queen Street, Auckland.
Culpan, W., care of Hesketh & Richmond, Wyndham Street, Auckland.
Davis, Ernest, care of Hancock & Co., Customs Street, Auckland.
Davis, Elliot R., care Hancock & Co., Customs Street, Auckland.
Dearsly, H., P.O. Box 466, Auckland.
De Guerrier, F. E., Auckland Tramway Company, Auckland.
Dempsey, J., Newmarket.
Dennin, John, care Hon. E. Mitchellson, Waimauku.
Dettmann, Professor H. S., University College, Auckland.
Devereux, H. B., care of D. McGill, Waiuku.
Donald, A. W., care A. B. Donald, Queen Street, Auckland.
Donald, J. B., care A. B. Donald, Queen Street, Auckland.
Downard, F. N. R., New Zealand Expeditionary Forces.
Duder, R. W., Devonport.
Duncan, A., Railway Offices, Auckland.
Dunning, James, Lucerne Road, Remuera.
Duthie, D. W., National Bank of New Zealand, Wellington.

Eady, A., Queen Street, Auckland.
Earl, F. K.C., Swanson Street, Auckland.
Edgerley, Miss K., Girls' Grammar School, Auckland.
Edmiston, H. J., care of Champataloup & Edmiston, Queen Street, Auckland.
Edson, J., Waimarama, Tudor Street, Devonport.
Egerton, Prof. C. W., University College, Auckland.
Ellingham, W. R., Customs Street, Auckland.
Elliot, G., Bank of N.Z. Buildings, Swanson Street, Auckland.
Elliot, W., Bank of N.Z. Buildings, Swanson Street, Auckland.
Ellis, A. F., Argyle Street, Ponsonby.
Ellison, T., Ellison's Buildings, Queen Street, Auckland.
Endean, J., jun., Waitemata Hotel, Auckland.
Entrican, A. J., Customs Street, Auckland.
Entrican, J. C., Customs Street, Auckland.

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- Evans, E. W., care Brown, Barrett & Co., Customs Street, Auckland.
Ewen, J. F. A., care of Sargood, Son and Ewen, Ltd., Victoria Street West, Auckland.
Ewington, F. G., Durham Street, Auckland.
- Fairclough, Dr. W. A., Imperial Buildings, Queen Street, Auckland.
Fallon, W., Union Buildings, Customs Street, Auckland.
Farrell, R., Anglesea Street, Auckland.
Fenwick, Dr. G., New Zealand Expeditionary Forces.
Fenwick, R., care of T. & S. Morrin, Auckland.
Ferguson, A. M., care John Burns and Co., Ltd., Customs Street, Auckland.
Fleming, G. A., Remuera Road, Remuera.
Fleming, J., 142, Grafton Road, Auckland.
Florance, R. S., Stipendiary Magistrate, Gisborne.
*Fowlds, Hon. G., Queen Street, Auckland.
Fowlds, G., jun., Queen Street, Auckland.
Frater, J. W., Stock Exchange, Auckland.
Frater, Captain W., Manukau Road, Parnell.
Furness, C. H., Customs Street East, Auckland.
- Garlick, G. C., Tonson Garlick Ltd., Queen Street, Auckland.
Garrard, C. W., M.A., Education Offices, Auckland.
George, G., Technical College, Wellesley Street, Auckland.
George, Hon. S. T., St. Stephen's Avenue, Parnell.
Gerard, E., Union Buildings, Customs Street, Auckland.
Gibson, Noel, Dilworth Institute, Remuera.
Gilfillan, H., St. Stephen's Avenue, Parnell.
Gillett, J., care Hoiland & Gillett, Customs Street, Auckland.
- Gillies, A. W., Glenalvon, Waterloo Quadrant, Auckland.
Girdler, Dr., Khyber Pass Road, Auckland.
Gleeson, J. C., High Street, Auckland.
Goldie, A., Wallace Street, Ponsonby.
Goldie, D., Breakwater Road, Auckland.
Goldie, H., Breakwater Road, Auckland.
Gordon, Dr. F. W., Hillsborough.
Gorrie, H. T., care of A. Buckland & Sons, Albert Street, Auckland.
Graham, A. G., care of Briscoe & Co., Customs Street, Auckland.
Graham, G., P.O. Box 166, Auckland.
Grant, Miss J., M.A., Devonport.
*Gray, A., Smeeton's Buildings, Queen Street, Auckland.
Gray, S., Mt. Eden Borough Council Offices, Mt. Eden.
Gribbin, G., care of Nicholson & Gribbin, Imperial Buildings, Queen Street, Auckland.
Griffin, L. T., Museum, Auckland.
Grossmann, Professor J. P., University College, Auckland.
Gulliver, T. V., care of District Engineer, Railway Offices, Auckland.
Gunson, J. H., Mayor of Auckland, Church Road, Epsom.
Gunson, R. W., New Zealand Expeditionary Forces.
- Haddow, J. G., Wyndham Street, Auckland.
Haines, H., F.R.C.S., Shortland Street, Auckland.
Hall, Edwin, Seacliff Road, Onehunga.
Halstead, E. D., Jervois Road, Ponsonby.
Hamer, W. H., C.E., Harbour Board Offices, Auckland.
Hansard, G. H., New Zealand Expeditionary Forces.
Harbutt, S. J., Selwyn Road, Epsom.
Hardie, J. C., care of Hardie Bros., Queen Street, Auckland.

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- Harding, E., Dargaville.
Hardley, J. W., Customs Street,
Auckland.
Harris, Louis, Huntly.
Harvey, A., Lower Albert Street,
Auckland.
Hay, D. A., Montpellier Nursery,
Remuera.
Hay, Douglas, Stock Exchange,
Queen Street, Auckland.
Hayr, H. H., Union Bank Build-
ings, Queen Street, Auckland.
Hazard, W. H., Customs Street
West, Auckland.
Heather, H. D., Fort Street,
Auckland.
Hemingway, W. H., Union
Buildings, Customs Street,
Auckland.
Henning, G., Customs Street,
Auckland.
Herries, Hon. W. H., M.P., Wel-
lington.
Hesketh, H. R., care of Hesketh
& Richmond, Wyndham Street,
Auckland.
Hesketh, S., care of Hesketh &
Richmond, Wyndham Street,
Auckland.
Hill, J., care of Hill & Plummer,
Queen Street, Auckland.
Holderness, D., New Zealand Ex-
peditionary Forces.
Horton, E., "Herald" Office,
Queen Street, Auckland.
Horton, H., "Herald" Office,
Queen Street, Auckland.
Hosking, J. F., Smeeton's Build-
ings, Queen Street, Auckland.
Houghton, C. V., N.Z. Shipping
Co., Quay Street, Auckland.
Howey-Walker, A., Queen Street,
Auckland.
Hudson, C., Mount Eden Road,
Auckland.
Hunter, Ashley, C.E., Swanson
Street, Auckland.
Hutchinson, F. R., St. Heliers.
Ick-Hewins, Dr. T. J., Marton.
Inglis, Dr. R. T., New Zealand
Expeditionary Forces.
Isaacs, R. C., St. George's Bay
Road, Parnell.

Jackson, J. H., Customs Street,
Auckland.
- Jackson, Thornton, care of Jack-
son and Russell, Shortland St.,
Auckland.
Johnson, Professor J. C., M.Sc.,
University College, Auckland.
Johnson, H. Dunbar, 151 Newton
Road, Auckland.
Johnston, Hallyburton, Ngatea,
Hauraki Plains.
Johnston, J. B., care of Stewart
& Johnston, Wyndham Street,
Auckland.

Kenderdine, J., Sale Street, Auck-
land.
Kent, B., Lower Symond Street,
Auckland.
Kent, G. S., St. Stephen's Avenue,
Parnell.
Kissling, H. P., St. Stephen's
Avenue, Parnell.
Knight, G., Asquith Avenue, Mt.
Albert.

Laidlaw, R. A., Hobson Street,
Auckland.
Lamb, J. A., Arney Road,
Remuera.
Lamb, S. E., B.Se., University
College, Auckland.
Lancaster, T. L., M.A., Univer-
sity College, Auckland.
Lang, Sir F. W., M.P., Hills-
borough, Onehunga.
Larner, V. J., Swanson Street,
Auckland.
Laurie, B. A., care W. S. Laurie
& Co., Customs Street, Auck-
land.
Lawson, H. W., National Bank of
New Zealand, Queen Street,
Auckland.
Leighton, F. W., High Street,
Auckland.
LeRoy, E., 18 Waterview Road,
Devonport.
Lewisham, W. C., care of Robert-
son Bros., Quay Street, Auck-
land.
Leyland, S. H., care of Leyland
& O'Brien, Customs Street W.,
Auckland.
Leyland, W. B., care of Leyland
& O'Brien, Customs Street W.,
Auckland.
Leys, Cecil, "Star" Office, Short-
land Street, Auckland.

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- Leys, T. W., "Star" Office,
Shortland Street, Auckland.
Lintott, G. S., Customs Street
East, Auckland.
Logan, R., Government Insurance
Buildings, Queen Street,
Auckland.
Long, D., Farmers' Freezing Co.,
Queen Street, Auckland.
Long, W. H., Woodford Road,
Mount Eden.
Longuet, A. A., Palmerston Buildings,
Queen Street, Auckland.
Lowe, Dr. De Clive, Lower Symonds
Street, Auckland.
Lunn, A. G., care of Collins Bros.,
Wyndham Street, Auckland.

Macfarlane, J. B., Fort Street,
Auckland.
Mackay, G. J., Queen Street,
Auckland.
Mackay, J. G. H., Ellison Chambers,
Queen Street, Auckland.
Mackay, P. M., Wellesley Street,
Auckland.
Macky, T. H., care of Macky,
Logan & Co., Elliott Street,
Auckland.
Mackellar, Dr. E. D., Manukau
Road, Parnell.
Mackenzie, Dr. Kenneth, Princes
Street, Auckland.
Macklow, W. C., P.O. Box 720,
Auckland.
*Macmillan, C. C., Remuera Road,
Remuera.
Mahoney, T., Swanson Street,
Auckland.
Mains, T., Tram Terminus,
Remuera.
Mains, W., Tram Terminus,
Remuera.
Mair, Captain G., Whakatane.
Mair, S. A. R., Hunterville, Wellington.
Major, C. T., King's College,
Remuera.
Makgill, Dr. R. H., Health Department,
Wellington.
Mander, F., M.P., Ranfurly Road,
Epsom.
Marriner, H. A., N.Z. Insurance
Co., Queen Street, Auckland.
Marsack, Dr., New Zealand Expeditionary Forces.

Marshall, J., Te Atahuia, Remuera
Road.
Mason Mrs. F., care of Bank of
Australasia, Manaia.
Massey, Right Hon. W. F., M.P.,
Wellington.
Matthews, H. B., Clonbern Road,
Remuera.
Maxwell, L. G., Lower Hobson
Street, Auckland.
McCullough, Hon. W., Thames.
McFarlane, T., C.E., Coromandel.
McGregor, W. R., University
College, Auckland.
McIlraith, Dr. J. W., Training
College, Wellesley Street,
Auckland.
McIntosh, D. T., Railway Offices,
Auckland.
McKenzie, Capt. G., Devonport.
McLaughlin, T. M., Hobson Buildings,
Shortland Street, Auckland.
McVeagh, R., care of Russell,
Campbell & McVeagh, High
Street, Auckland.
Mennie, J. M., Albert Street,
Auckland.
Miller, E. V., Chelsea, Auckland.
Miller, E. W., Albert Street,
Thames.
Milne, J., care of John Chambers
& Son, Fort Street, Auckland.
Milne, Miss M. J., Remuera.
Milne, Stewart, care of Milne &
Choyce, Queen Street, Auckland.
Milroy, S., Kauri Timber Co., Custom
Street W., Auckland.
Milsom, Dr. E. H. B., 18, Waterloo
Quadrant, Auckland.
Mitchelson, Hon. E., Waitaramoa,
Remuera.
Mitchelson, E. P., Motutara, Waimauku.
Mitchelson, R., Dargaville.
Morrison, A. R., Palmerston Buildings,
Queen Street, Auckland.
Morrison, W. B., Brunswick
Buildings, Queen Street, Auckland.
Morton, E., Customs Street, Auckland.
Morton, H. B., One-tree Hill,
Epsom.
Mulgan, A. E., "Star" Office,
Auckland.

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- Mulgan, E. K., M.A., Education Offices, Auckland.
- Mullins, P., Shaddock Street, Mt. Eden.
- Murray, G. T., C.E., Public Works Office, Auckland.
- Murray, G. W., Omahu Road, Remuera.
- Myers, Hon. A. M., M.P., Campbell & Ehrenfried Co., Queen Street, Auckland.
- Myers, B., Symonds Street, Auckland.
- Napier, W. J., A.M.P. Buildings, Queen Street, Auckland.
- Nathan, C. J., care of A. H. Nathan & Co., Customs Street, Auckland.
- Nathan, D. L., care of L. D. Nathan & Co., Shortland Street, Auckland.
- *Nathan, N. A., care L. D. Nathan & Co., Shortland Street, Auckland.
- Neve, B., Technical College, Wellesley Street, Auckland.
- Niccol, G., Customs Street W., Auckland.
- Nicholson, O., Imperial Buildings, Queen Street, Auckland.
- Nolan, H. O., St. Stephen's Avenue, Parnell.
- Oliphant, P., 24, Symonds Street, Auckland.
- *Oliver, W. R. B., F.L.S., New Zealand Expeditionary Forces.
- Osmond, G. B., Royal Insurance Buildings, Queen Street, Auckland.
- Ostler, H. H., care of Jackson & Russell, Shortland Street, Auckland.
- Owen, Professor G., D.Sc., University College, Auckland.
- Pacey, H. E., Hamilton Road, Ponsonby.
- Parr, C. J., C.M.G., M.P., Shortland Street, Auckland.
- Partridge, H. E., Albert Street, Auckland.
- Patterson, D. B., Ellison Chambers, Queen Street, Auckland.
- Peacock, T., Queen Street, Auckland.
- Perkins, A. W., care of Dalgety & Co., Customs Street West, Auckland.
- Petrie, D., Rosemead, Ranfurly Road, Epsom.
- Philcox, T., 11, Fairview Road, Mt. Eden.
- Philson, W. W., Colonial Sugar Co., Quay Street, Auckland.
- Pond, J. A., F.C.S., Queen Street, Auckland.
- Poole, G. S., Harbour Board Offices, Auckland.
- Porter, A., care of E. Porter & Co., Queen Street, Auckland.
- Potter, E. H., P.O. Box 230, Auckland.
- Pountney, W. H., Fort Street, Auckland.
- Powell, F. E., C.E., Ferry Buildings, Queen Street, Auckland.
- Price, E. A., Cambria Park, Papatoetoe.
- Price, T. G., 109, Queen Street, Auckland.
- Pryor, S. H., 26, Penarrow Avenue, Mount Eden.
- Pulling, Miss, Diocesan School, Epsom.
- Purchas, Dr. A. C., Carlton Gore Road.
- Pycroft, A. T., Railway Offices, Auckland.
- Ralph, E. V., Arthur Street, Ponsonby.
- Ralph, W. J., Princes Street, Auckland.
- Rangihiroa, Dr., New Zealand Expeditionary Forces.
- Rawnsley, S., Quay Street, Auckland.
- Rayner, Dr. F. J., Queen Street, Auckland.
- Reed, J. R., K.C., Cargen, Eden Crescent, Auckland.
- Reid, J., Alten Road, Auckland.
- Renshaw, F., care of Sharland & Co., Lorne Street, Auckland.
- Rhodes, C., Ronaki, Remuera.
- Richmond, H. P., Arney Road, Remuera.
- Ridings, J. P., Collector of Customs, Auckland.

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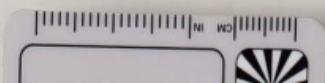
- Robb, J., Victoria Avenue, Mount Eden.
Roberton, A. B., care of Heather, Robertson & Co., Fort Street, Auckland.
Roberton, Dr. E., New Zealand Expeditionary Forces.
Robertson, Dr. Carrick, Alfred Street, Auckland.
Robertson, Jas., Market Road, Remuera.
Roche, H., Horahora, near Cambridge, Waikato.
Rolfe, W., Sharland & Co., Lorne Street, Auckland.
Rollelt, F. C., "Herald" Office, Queen Street, Auckland.
Rowe, J., Onehunga.
Russell, E. N. A., care of Russell, Campbell & McVeagh, High Street, Auckland.
Saunders, W. R., Commercial Union Insurance Company, Commerce Street, Auckland.
Saxton, A. C., Pyrmont, Sydney.
Scott, Rev. D., New Zealand Expeditionary Forces.
Scott, D. D., care of Kempthorne, Prosser & Co., Albert Street, Auckland.
Seeger, C., St. Stephen's Avenue, Parnell.
Segar, Prof. H. W., M.A., Manukau Road, Parnell.
Shakespear, Mrs. R. H., Whangaparaoa.
Shaw, F., Vermont Street, Ponsonby.
Shaw, H., Epsom.
Simmonds, Rev. J. H., Wesley Training College, Epsom.
Simson, T., Mt. St. John Avenue, Epsom.
Sinclair, A., Kuranui, Symonds Street, Auckland.
Sinclair, G., care of Pilkington & Co., Queen Street, Auckland.
Skeet, H. M., Pencarrow Avenue, Mount Eden.
Smeeton, H. M., Remuera.
Smith, Capt. James, Franklin Road, Ponsonby.
*Smith, S. Percy, F.R.G.S., New Plymouth.
*Smith, T. E., New Brighton, Miranda.
Smith, Mrs. W. H., Princes Street, Auckland.
Smith, W. Todd, Brooklands, Alfred Street, Auckland.
Somerville, Dr. J., Alfred Street, Auckland.
Somerville, J. M., Chelsea, Auckland.
Spedding, J. C., Market Road, Remuera.
Speight, W. J., Diocesan Office, Shortland Street, Auckland.
Stanton, J., Fort Street, Auckland.
Stewart, D. F., c/o R. S. Lamb and Co., 32, Jamieson Street, Sydney.
Stewart, J. W., Wyndham Street, Auckland.
Stewart, John A., Kainga-tonu, Ranfurly Road, Epsom.
Stewart, R. Leslie, care of Brown and Stewart, Swanson Street, Auckland.
Streeter, S. C., Enfield Street, Mt. Eden.
Strevens, J. L., New Zealand Expeditionary Forces.
Suter, A., Loutis, Clonbern Road, Remuera.
Swan, H. C., Henderson.
Swanson, W., Queen Street, Auckland.
- Talbot, Dr. A. G., A.M.P. Buildings, Queen Street, Auckland.
Thomas, Professor A. P. W., F.L.S., Mountain Road, Epsom.
Thornes, J., Queen Street, Auckland.
Tibbs, J. W., M.A., Grammar School, Auckland.
*Tinne, H., Union Club, Trafalgar Square, London.
Tole, Hon. J. A., Queen Street, Auckland.
Trounson, J., Northcote.
Tudehope, R., Wellesley Street, Auckland.
Tunks, C. J., care of Jackson & Russell, Shortland Street, Auckland.
Turner, E. C., care of Turner & Sons, Market Square, Auckland.

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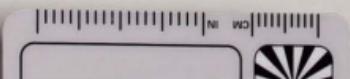
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- Upton, J. H., Bank of New Zealand Buildings, Swanson Street, Auckland.
Upton, P., South British Insurance Co., Queen St., Auckland.
Upton, P. T., P.O. Box 878, Auckland.
Upton, Selwyn, "Star" Office, Auckland.
Vaile, E. E., Broadlands, Waio-tapu.
Vaile, H. E., Queen Street, Auckland.
Vernon, W. S., M.A., University College, Auckland.
Virtue, F., Roller Mills, Quay Street, Auckland.
Wade, Lieut. H. L., New Zealand Expeditionary Forces.
Wake, F. W., Cleave's Buildings, High Street, Auckland.
Walker, Prof. Maxwell, University College, Auckland.
Walklate, J. J., Electric Tramway Co., Auckland.
Wallace, T. F., Waihi G.M. Co., Shortland Street, Auckland.
Ware, W., Portland Rd., Remuera.
Warnock, J. A., 2, King Street, Grey Lynn.
Wells, T. U., Westbourne Road, Remuera.
White, P. C., care of S. White & Sons, Customs Street West, Auckland.
White, R. W., Wellington Street, Auckland.
Whitley, W. S., Albert Street, Auckland.
Whitney, C. A., Colonial Ammunition Co., Auckland.
Whitmore, F., N.Z. Expeditionary Forces.
Williams, N. T., National Insurance Company, Queen Street, Auckland.
Williamson, C., Commercial Bank Buildings, Auckland.
Williamson, J. C., Chief Postmaster, Auckland.
*Williamson, J. D., Rukuhia, Hamilton.
Wilson, Andrew, District Surveyor, Hangatiki.
Wilson, C. A., P.O. Box 1081, Auckland.
Wilson, F. W., "Herald" Buildings, Auckland.
Wilson, G. A., Wilson & Canham, Ferry Buildings, Auckland.
Wilson, H. M., Town Hall, Auckland.
Wilson, John, N.Z. Insurance Buildings, Queen St., Auckland.
Wilson, J. A., care of A. Eady & Sons, Queen St., Auckland.
Wilson, J. M., Portland Road, Remuera.
Wilson, Liston, Upland Road, Remuera.
Wilson, Martyn, Roselle, Lower Remuera.
Wilson, Mrs. R. M., Russell Road, Remuera.
Wilson, W. R., "Herald" Office, Queen Street, Auckland.
Wing, S., Hellahys Ltd., Shortland Street, Auckland.
Winkelmann, H., Victoria Arcade, Auckland.
*Winstone, F. M., Claude Road, Epsom.
Winstone, G., Customs Street E., Auckland.
Wiseman, F., Queen Street, Auckland.
Wiseman, J. W., Albert Street, Auckland.
*Withy, E., care of Auckland Institute, Auckland.
Woledge, E. H., New Zealand Loan & Mercantile Company, Albert Street, Auckland.
*Wood, Right Rev. C. J., D.D., Bishop of Melanesia, Norfolk Island.
Woodward, W. E., Union Bank of Australia, Queen St., Auckland.
Woollams, W. H., Queen Street, Auckland.
Worley, Professor F. P., D.Sc., University College, Auckland.
Wright, R., care of A. B. Wright & Sons, Commerce Street, Auckland.
Wyllie, A., C.E., Electrical Power Station, Breakwater, Auckland.
Yates, E., Albert Street, Auckland.
Young, J. L., Henderson & Macfarlane, Fort Street, Auckland.

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